

State of California
California Energy Commission
Minutes of the October 14, 2015, Energy Commission Business Meeting

The meeting was called to order by Commissioner Douglas. The Pledge of Allegiance was led by Commissioner Douglas.

Present:

Karen Douglas, Commissioner

J. Andrew McAllister, Commissioner

David Hochschild, Commissioner

Janea A. Scott, Commissioner

1. **CONSENT CALENDAR.** (Items on the Consent Calendar will be taken up and voted on as a group. A commissioner may request that an item be moved and discussed later in the meeting.)
 - a. **RENEWAL OF A MEMORANDUM OF AGREEMENT BETWEEN THE CALIFORNIA ENERGY COMMISSION AND THE WESTERN AREA POWER ADMINISTRATION.** Proposed resolution approving the Executive Director to renew a Memorandum of Agreement between the California Energy Commission and the Western Area Power Administration, Sierra Nevada Region to ensure timely and effective coordination in the sharing of Geographic Information System (GIS) transmission infrastructure data. Contact: Roger Johnson.
 - b. **MEMORANDUM OF UNDERSTANDING BETWEEN THE U.S. DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT CALIFORNIA AND THE CALIFORNIA ENERGY COMMISSION.** Proposed resolution approving the Executive Director to enter into a Memorandum of Understanding between the U.S. Department of the Interior, Bureau of Land Management California and the California Energy Commission concerning coordinated environmental review, compliance monitoring and decommissioning for power plant projects. Contact: Roger Johnson.
 - c. **CALSTART, INC.** Proposed resolution approving Agreement 600-15-009 with CALSTART, Inc. for up to \$14,997 for membership in the California Plug-In Electric Vehicle Collaborative (PEVC) for three fiscal years (2015/16, 2016/17, 2017/18). Annual membership fees are \$4,999. Future fiscal year memberships are contingent upon the availability of funds for these purposes. This membership allows the Energy Commission to participate in PEVC working groups which will assist in the Energy Commission's strategic deployment of electric vehicle service equipment under the Alternative and Renewable Fuel and Vehicle Technology Program. (ARFVTP funding) Contact: Tami Haas.
 - d. **ANAHEIM PUBLIC UTILITIES DEPARTMENT.** Proposed adoption of an order finding that the City of Anaheim's contract with Bowerman Power LFG, LLC for a covered procurement of renewable energy is compliant with the Emission Performance Standard for Local Publicly Owned Electric Utilities pursuant to SB 1368 (California Code of Regulations, Title 20, Sections 2900-2913). Contact: Michael Nyberg.

Commissioner Scott discloses for the record that she is the Chair of the Plug-In Vehicle Collaborative and recuses herself from the vote on Item 1c. Commissioner Scott left the room for Item 1c.

Commissioner Hochschild moved and Commissioner McAllister seconded approval of Item 1c. The vote was 3-0.

Commissioner Scott returned to the dais for Items 1a, 1b, and 1d. Commissioner McAllister moved and Commissioner Scott seconded approval of Items 1a, 1b and 1d. The vote was unanimous (4-0).

2. ENERGY COMMISSION COMMITTEE APPOINTMENTS. Possible approval of appointments to the Energy Commission's Standing Committees and Siting Case Committees. Contact: Kevin Barker. (5 minutes)
 - a. HUNTINGTON BEACH ENERGY PROJECT AMENDMENT (12-AFC-02C). Proposed appointment of an Energy Commission Committee for the Huntington Beach Energy Project Amendment. The project's owner, AES Southland, LLC, is requesting to replace power block 1 as licensed, with a two-on-one combined-cycle natural gas-fired turbine configuration with two General Electric (GE) Frame 7FA.05 gas turbines and two heat recovery steam generators without supplemental firing, a steam turbine generator, an air-cooled condenser, and related ancillary equipment, with nominal summer capacity of 644 MWs (net). Power block 2, as licensed, would be replaced by two GE LMS-100 PB simple-cycle gas turbine units with a nominal capacity of 200 MWs. Contact: John Heiser. (Staff presentation: 5 minutes)

Commissioner Douglas, who led the meeting in the Chair's absence, stated that Commissioner McAllister would be the presiding member and Commissioner Douglas would be the associate member of the Committee. Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 2. The vote was unanimous (4-0).

3. SAN GABRIEL GENERATING STATION (07-AFC-02). Proposed adoption of an order approving Committee Order Terminating the Application for Certification for the San Gabriel Generating Station. Contact: Ken Celli. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 3. The vote was unanimous (4-0).

4. SUN VALLEY ENERGY PROJECT (05-AFC-03). Proposed adoption of an order approving Committee Order Terminating the Application for Certification for the Sun Valley Energy Project. Contact: Ken Celli. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 4. The vote was unanimous (4-0).

5. WILLOW PASS GENERATION STATION (08-AFC-06). Proposed adoption of an order approving Committee Order Terminating the Application for Certification for the Willow Pass Generating Station. Contact: Ken Celli. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 5. The vote was unanimous (4-0).

The California Energy Commission honors Eileen Allen and celebrates her career and contributions to the California Energy Commission.

6. ENERGY PROVISIONS OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE. Possible adoption, following publication of proposed changes and 15-day language comment period, of proposed 2016 updates to the energy provisions of the California Green Building Standards Code in the California Code of Regulations, Title 24, Part 11 (also known as CALGreen). The proposed language introduces requirements for a new voluntary Zero Net Energy Design building designation for single family and low-rise multifamily buildings and modifies the lighting requirements to align with the new mandatory lighting requirements in the California Building Energy Efficiency Standards in the California Code of Regulations, Title 24, Part 6 . Contact: Farakh Nasim. (Staff presentation: 10 minutes)

Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 6. The vote was unanimous (4-0).

7. MODIFICATIONS OF REGULATIONS ESTABLISHING ENFORCEMENT PROCEDURES FOR THE RENEWABLES PORTFOLIO STANDARD FOR LOCAL PUBLICLY OWNED ELECTRIC UTILITIES (RPS Regulations for POUs). Hearing and consideration of proposed order adopting modifications to regulations specifying rules and procedures for enforcement of RPS for local POUs pursuant to Public Utilities Code section 399.30 (m). The modifications to the regulations implement changes in law under Senate Bill 591 (Stats. 2013, ch. 520) and make clarifying changes to several existing provisions in the regulations. Contact: Angie Gould. (Staff presentation: 15 minutes)

Commissioner Hochschild moved and Commissioner McAllister seconded approval of Item 7. The vote was unanimous (4-0).

8. CITY OF GARDENA. Proposed resolution approving Agreement ARV-15-006 with City of Gardena - Gardena Municipal Bus Lines for a \$2,745,419 grant to conduct a battery-electric repower bus demonstration project. The demonstration will occur in disadvantaged communities within the City of Gardena. (ARFVTP funding) Contact: Larry Rillera. (Staff presentation: 5 minutes)

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 8. The vote was unanimous (4-0).

9. UNIVERSITY OF CALIFORNIA, DAVIS. Proposed resolution approving Agreement ARV-15-008 with The Regents of the University of California on behalf of the Davis Campus for a \$598,168 grant to design and operate a pilot-scale coupled algae cultivation and anaerobic digester system that treats effluent from two commercial digesters—UC Davis Renewable Energy Anaerobic Digester and New Hope Dairy Digester—to produce nutrients-rich water for the algae production system. The project will incorporate carbon dioxide capture, nutrients recovery, recycling of algae residues, and infrared drying to seek reductions in the overall cost and energy consumption of algae-based biodiesel production. (ARFVTP funding). Contact: Matthew Ong. (Staff presentation: 5 minutes)

Commissioner Douglas disclosed that she is an adjunct professor at UC Davis King Hall. The agreement is with UC Davis, but not with King Hall. Commissioner McAllister disclosed his wife's employment at King Hall. Commissioner Scott moved and Commissioner Hochschild seconded approval of Item 9. The vote was unanimous (4-0).

10. SAN DIEGO COMMUNITY COLLEGE DISTRICT. Proposed resolution approving agreement 600-15-008 for a \$2,000,000 contract with the San Diego Community College District through the Advanced Transportation Technology and Energy Center at San Diego Miramar College to support specialized training for trainers, training in clean fuels advanced vehicle technologies, specialized equipment purchases and curriculum development. (ARFVTP funding) Contact: David Nichols. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 10. The vote was unanimous (4-0).

11. UNIVERSITY OF CALIFORNIA, RIVERSIDE. Proposed resolution adopting a Negative Declaration and approving Agreement EPC-15-003 with The Regents of the University of California, on behalf of the Riverside Campus for a \$2,588,906 grant to deploy and demonstrate a community scale energy generation system at the Chemehuevi Indian Tribe Community Center located in San Bernardino County. (EPIC funding) Contact: Hassan Mohammed. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Hochschild seconded approval of Item 11. The vote was unanimous (4-0).

12. ELECTRICITY SECTOR VULNERABILITY STUDIES AND ADAPTATION OPTIONS TO PROMOTE RESILIENCE IN A CHANGING CLIMATE, (GFO-15-303). This grant solicitation sought to fund applied research and development projects that reduce the environmental and public health impacts of electricity generation and make the electricity system less vulnerable to climate impacts. Research performed from the following awards will support timely implementation of adaptation strategies and development of decision-support tools that will enhance the climate resilience of the electricity system. (EPIC Funding) Contact: David Stoms. (Staff Presentation: 10 minutes).
 - a. ICF INCORPORATED, LLC. Proposed resolution approving Agreement EPC-15-005 with ICF Incorporated, LLC for a \$499,929 grant to evaluate electricity system sea level rise vulnerability and adaptation options at a level of detail appropriate for informing electricity sector policy and planning. The recipient will partner with San Diego Gas & Electric to conduct a detailed, robust, sea level rise vulnerability assessment and identify and evaluate appropriate adaptation measures.
 - b. LAWRENCE BERKELEY NATIONAL LABORATORY. Proposed resolution approving Agreement EPC-15-006 with the Department of Energy's Lawrence Berkeley National Laboratory for a \$500,000 grant to identify regions of California's electricity system within IOU service territories that are vulnerable to future wildfires, to quantify probabilities and costs of wildfire damage, and to evaluate utility adaptation options.

- c. UNIVERSITY OF CALIFORNIA, LOS ANGELES. Proposed resolution approving Agreement EPC-15-007 with The Regents of the University of California, on behalf of the Los Angeles campus for a \$500,000 grant to develop an in-depth analysis of future electric grid demand and vulnerability due to increased (and prolonged) heat events in Southern California Edison territory under current and future climate scenarios.

This item was presented by Yu Hou. Commissioner Scott moved and Commissioner McAllister seconded approval of Item 12. The vote was unanimous (4-0).

13. COUNTY OF SAN LUIS OBISPO. Proposed resolution approving Agreement 004-15-ECD with the County of San Luis Obispo for a \$2,200,000 loan at one percent interest to retrofit lighting fixtures and controls, upgrade central plant chillers, continuously retrocommission air handling systems, and install kitchen exhaust hood controls. The project is estimated to save 1.15 million kWh, resulting in annual energy cost savings of \$181,497. Based on this savings and the loan amount, the simple payback is 12.1 years. (ECAA Program Funding) Contact: Armando Ramirez. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 13. The vote was unanimous (4-0).

14. VISTA DEL MAR UNION SCHOOL DISTRICT. Proposed resolution approving Agreement 004-15-ECG with Vista Del Mar Union School District for a \$146,240 loan at zero percent interest for a 55 kW AC ground-mounted photovoltaic (PV) project. The loan, in addition to the district's Proposition 39 (K-12) Program funding of \$180,000, will fund the total cost of the project of \$326,240. The project is estimated to save the district 89,595 kWh of electricity, resulting in annual energy cost savings of \$22,533 and 31 tons of greenhouse gases emissions reduction. Based on the loan amount, the simple payback is 6.5 years. (ECAA-Ed Program Funding) Contact: Gavin Situ. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 14. The vote was unanimous (4-0).

15. NORESCO, LLC. Proposed resolution approving Agreement 400-15-006 with NORESCO, LLC for a \$3,000,000 contract to provide technical support for the Nonresidential Building Energy Efficiency Standards process. (ERPA funding) Contact: Adrian Ownby. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 15. The vote was unanimous (4-0).

16. BRUCE A. WILCOX, P.E. Proposed resolution approving Agreement 400-15-007 with Bruce A. Wilcox, P.E., for a \$3,000,000 contract to provide technical support for the Residential Building Energy Efficiency Standards process. (ERPA funding) Contact: Adrian Ownby. (Staff presentation: 5 minutes)

Commissioner McAllister moved and Commissioner Scott seconded approval of Item 16. The vote was unanimous (4-0).

17. **Minutes:** Possible approval of the September 9, 2015, Business Meeting Minutes.

Commissioner Scott moved and Commissioner McAllister seconded approval of Item 17. The vote was unanimous (4-0).

18. **Lead Commissioner or Presiding Member Reports.** The commissioners reported on their recent activities.

19. **Chief Counsel's Report:** None.

20. **Executive Director's Report.** The Executive Director gave the report.

21. **Public Adviser's Report.** The Public Adviser gave the report.

22. **Public Comment:** Mark Meyers, CALBO.

Appearances:

(*by telephone)

Edward Moreno, Sierra Club

Sean Beatty, NRG Energy, Inc.

*Sarah Friedman, Sierra Club

*George Nesbitt, HERS Rater

*Paula Faust, City of Gardena

*Annalise Franz, UC Davis

Greg Newhouse, SDCCD ATTE

*William Cox, Chemehuevi Indian Tribe

Joe Huang, White Box Technologies



There being no further business, the meeting was adjourned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Tiffani Winter".

TIFFANI WINTER
Secretariat